

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A method for detecting intrusion in a database managed by an access control system, comprising:

defining at least one intrusion detection profile, each profile including a set of item access rates, ~~[at least one item access rate;]~~ one of which includes a definition of a number of rows that may be accessed in a predetermined period of time;

associating each user with one of said defined profiles;

receiving a database query from a user;

determining that [whether a result] execution of said query causes said user to exceed ~~[exceeds any one of the]~~ an item access rates defined in the profile associated with [the] said user; and

notifying the access control system~~[-upon determining that the result exceeds any one of the at least one item access rates defined in the associated profile,]~~ to alter user authorization, thereby ~~[making the received requested query an unauthorized request, before the result of the query is]~~ preventing the result of the query from being transmitted to the user.

2. (currently amended) The method of claim 1, further comprising:

accumulating results from performed queries in a record; and

determining whether the accumulated results exceed a member of said set of item access rates ~~[any one of said at least one item access rate].~~

3. (currently amended) The method of claim 1, further comprising marking [wherein] an item [items] subject to a member of said set of item access rates ~~[are marked in the database, and wherein any query concerning said items automatically trigger the intrusion detection].~~

4. (currently amended) The method of claim 3, wherein ~~[the]~~ said step of determining ~~[whether an item access rate is exceeded]~~ includes determining if the query result includes ~~[rows from]~~ a marked item ~~[items]~~, and proceeding with the intrusion detection process only upon determining that said member of said set of item access rates ~~[the item access rate]~~ is exceeded.

5. (currently amended) The method of claim 1, wherein a member of said set of ~~[one of said at least one]~~ item access rates defines the number of rows a user may access from a database item at one time.

6. (currently amended) The method of claim 1, wherein a member of said set of ~~[one of said at least one]~~ item access rates defines the number of rows a group of users may access from a database item at one time.

7. (currently amended) The method of claim 1, wherein a member of said set of ~~[one of said at least one]~~ item access rates defines the number of rows that may be accessed from a database item over a period of time.

8. (currently amended) The method of claim 1, wherein a member of said set of ~~[one of said at least one]~~ item access rates defines the number of rows a group of users may access from a database item over a period of time.

9. (currently amended) The method of claim 1, wherein the intrusion detection policy further includes at least one inference pattern, the method further comprising:

accumulating results from performed queries in a record;

comparing said record with said at least one ~~[of said]~~ inference pattern ~~[patterns]~~, in order to determine whether a combination of accesses in said record match said inference policy; and

notifying the access control system, upon determining that a combination of accesses in the record match said inference policy, to alter the user authorization, thereby preventing the result of the query from being ~~[making the received request an unauthorized request, before said result is]~~ transmitted to the user.

10. (canceled)

11. (canceled)

12. (new) The method of claim 1, further comprising executing said query.

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13. (new) The method of claim 1, further comprising attaching a trigger to items subject to item access rates, said trigger triggering said step of determining.